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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/763,572	02/26/2001	Osamu Toyoda	1082.1035	7883
21171	7590	11.06.2002		
STAAS & HALSEY LLP 700 11TH STREET, NW SUITE 500 WASHINGTON, DC 20001			EXAMINER TRUONG, BAO Q	
			ART UNIT 2875	PAPER NUMBER
			DATE MAILED: 11/06/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/763,572	TOYODA ET AL.
Examiner	Art Unit	
Bao Q. Truong	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 12 September 2002.

2a)  This action is **FINAL**.                    2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 14-22 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 14-22 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)  The proposed drawing correction filed on \_\_\_\_\_ is: a)  approved b)  disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)  The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a)  The translation of the foreign language provisional application has been received.

15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_  
4)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_

## DETAILED ACTION

### *Drawings*

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "63" has been used to designate both "transfer mold" page 20 line 10 and "light-tight material" page 21 line 14 (FIG. 7(D), FIG. 8(A), FIG. 8(D)).

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### *Claim Objections*

2. Claims below are objected to because of the following informalities:

Claim 14, is the "a substrate" on line 12 different from the "a pair of substrates" in the preamble line 2? If the "a substrate" is different, the applicant should show it on the drawing.

Claim 15, is the "a light-transmissive substrate" on line 12 different from the "a pair of substrates" in the preamble line 2? If the "a light-transmissive substrate" is different, the applicant should show the "a light-transmissive substrate" on the drawings.

Claim 16, the applicant recites "a pair of substrates" in the preamble line 2. The applicant also recites "the substrate" on line 12. What substrate does "the substrate" refer to? There is lack antecedent basic for "the entire substrate" on line 13.

Claim 17, the applicant recites "a pair of substrates" in the preamble line 2. The applicant also recites "the substrate" on line 13. What substrate does "the substrate" refer to?

Claim 18, what does "the substrate" on line 12 refer to?

Claim 19, where is the "a light-transmissive substrate" shown on the drawings? What does "the substrate" on line 19 refer to?

Claim 20, what does the "one substrate" on line 7 refer to?

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in-  
(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or  
(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

4. Claims 14 - 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Sano et al. [US 6,249,264].

Regarding claims 14 and 18, Sano et al. disclose a method of making a plasma display panel with intersecting barrier ribs [29, 50] having steps of: forming the barrier ribs on a second substrate [21], forming a first photosensitive film [700], disposing a first

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pattern forming mask [701], forming a second photosensitive film [703], disposing a second strip pattern forming mask [704], forming the barrier ribs on the second substrate at the same time, and producing a first dot-matrix DFR [702] and a second strip DFR [705] (figures 54-59, column 40 lines 1-10, column 44 lines 20-65).

Regarding claims 15 and 19, Sano et al. disclose a method of making a plasma display panel with intersecting barrier ribs [29, 50] having steps of: forming the barrier ribs on a second substrate [21], forming a first photosensitive film [700], using a lithography process, forming a second photosensitive film [703], and producing a first dot-matrix DFR [702] and a second strip DFR [705] (figures 54-59, column 40 lines 1-10, column 44 lines 20-65).

Regarding claims 16 and 20, Sano et al. disclose a method of making a plasma display panel with intersecting barrier ribs [29, 50] having steps of: forming the barrier ribs on a second substrate [21], forming a sandblast material  $\text{CaCO}_3$ , forming a DFR [600], using a sandblast step, and using a lithography method (figures 47-53, column 43 lines 1-42).

Regarding claim 17, Sano et al. disclose a method of making a plasma display panel with intersecting barrier ribs [29, 50] having steps of: forming the barrier ribs on a second substrate [21], forming the barrier ribs [29, 50] crossing each other having the same height by a first mask [601], and removing a second mask portion [602] to obtain a different height (figure 50A-B, column 44 lines 1-18).

Regarding claims 21 and 22, Sano et al. disclose a method of making a plasma display panel with intersecting barrier ribs [29, 50] having steps of: applying a phosphor

material base into a box-shaped space by side surface portions [29w1, 29W2, 50W3, 50W4] (figure 4, column 45 lines 19-35).

### ***Response to Arguments***

5. Applicant's arguments filed 12 September 2002 have been fully considered but they are not persuasive.

The applicant recites "Sano et al. does not provide the steps of, for example, forming a wall-like projections and the barrier ribs simultaneously by forming two photosensitive material..." However, Sano et al. disclose steps of: forming a first photosensitive film [700], a second photosensitive film [703], forming the barrier ribs [29, 50] at the same time (column 40 lines 1-10, column 44 lines 20-65).

The applicant recites "... as recited in independent claim 15. Stated differently, Sano et al. does not provide the steps of, for example, forming a wall-like projections and the barrier ribs simultaneously by forming two photosensitive material layers..." However, there is no term "simultaneously" in the claim 15; and Sano et al. disclose steps of: forming a first photosensitive film [700], a second photosensitive film [703], forming the barrier ribs [29, 50] at the same time (column 40 lines 1-10, column 44 lines 20-65).

There is no term "simultaneously" in the claim 16 as the applicant recited on page 7 line 26. Furthermore, Sano et al. disclose steps of forming a convex sandblast material  $\text{CaCO}_3$  using a sandblast step (figure 51, column 43 lines 1-42).

The applicant recites "...as recited in independent claim 17. Stated differently, Sano et al. does not provide, for example, forming the barrier ribs on the wall-like projection crossing each other". However Sano et al. disclose the barrier ribs [29, 50] being crossing each other (figure 4).

About claim 20, Sano et al. disclose steps of applying a phosphor material base into a box-shaped space by side surface portions [29w1, 29W2, 50W3, 50W4] (figure 4, column 45 lines 19-35).

In view all above, claims 14-22 are unpatentable.

### ***Conclusion***

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

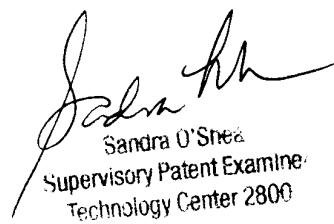
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Truong whose telephone number is (703) 308-6452. The examiner can normally be reached on Monday-Friday (8:00 AM - 4:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea can be reached on (703) 305-4939. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7725 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308 0956.

Bao Q. Truong  
Examiner  
Art Unit 2875

BQT  
November 4, 2002



Sandra O'Shea  
Supervisory Patent Examiner  
Technology Center 2800